CLAIM AMENDMENTS

1. (Previously Presented) A method implemented on a device by a processing

unit configured to execute computer-executable instructions that, when executed by the

processing unit, direct the device to perform acts comprising:

obtaining audio/video data from a disc;

presenting the audio/video data to a user;

obtaining a set of executable software instructions from the disc;

receiving an input from the user; and

executing, in response to the input, one or more instructions of the set of

executable software instructions to determine how to enhance presentation of the

audio/video data currently being played back to the user, wherein executing the one or

more instructions of the set of executable software instructions comprises:

identifying a temporal location of the audio/video data currently being

played back;

identifying programmatic data corresponding to the identified temporal

location; and

enhancing a presentation of the audio/video data by using the identified

programmatic data associated with the disc as determined by executing the one

or more instructions of the set of executable software instructions, the

programmatic data including additional data and adding additional details, which

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do not exist in the audio/video data, to the audio/video data, the programmatic data comprising :

2D information comprising data for rendering a viewpoint that does not exist in the audio/video data;

markup data identifying a plot of the audio/video data;

data identifying an enhanced functionality corresponding to different input and output devices;

informational data comprising biographies and filmographies;

data identifying which content is to be displayed for different rating levels;

different display format data comprising:

a National Television Standards Committee (NTSC) format or a Phase Alternating Line (PAL) format;

a widescreen format, a letter box format, or a pan and scan format; and

a standard definition format or a High Definition Television HDTV format.

- **2.** (**Original**) A method as recited in claim 1, further comprising: obtaining the programmatic data from the disc.
- **3. (Original)** A method as recited in claim 1, further comprising: obtaining the programmatic data from a local storage device.

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and



4. (Original) A method as recited in claim 1, further comprising:

obtaining the programmatic data from a remote storage device.

5. (Original) A method as recited in claim 1, wherein the user input comprises a

user input requesting an action be taken regarding playback of the audio/video data.

6. (Canceled)

7. (Previously Presented) A method implemented on a playback device by a

processing unit configured to execute computer-executable instructions that, when

executed by the processing unit, direct the playback device to perform acts comprising:

obtaining, from a source, audio/video data for a presentation to a user;

obtaining, from the source, a set of executable instructions associated with the

audio/video data, wherein the set of executable instructions are loaded by the playback

device when the source is initially accessible to the playback device;

obtaining programmatic data associated with the audio/video data, wherein:

the programmatic data includes additional data and adds additional details

to the audio/video data; and

temporal location identifiers from a stream of the audio/video data identify

associated programmatic data;

executing the set of executable instructions by the processing unit in conjunction

with presenting the audio/video data to the user; and

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enhancing the presentation of the audio/video data to the user based on the

programmatic data processed by the playback device.

8. (Original) A method as recited in claim 7, wherein obtaining the programmatic

data comprises obtaining the programmatic data from the source.

9. (Original) A method as recited in claim 7, wherein the source comprises a

DVD.

10. (Original) A method as recited in claim 7, wherein the enhancing comprises

improving the quality of the video data of the audio/video data.

11. (Original) A method as recited in claim 7, wherein the enhancing comprises

creating an HDTV (High Definition TV) version of the video data of the audio/video data.

12. (Original) A method as recited in claim 7, wherein the enhancing comprises

converting the video data of the audio/video data to a different aspect ratio.

13. (Original) A method as recited in claim 7, wherein the enhancing comprises

incorporating popup information into the video data of the audio/video data.

14. (**Original**) A method as recited in claim 7, wherein the enhancing comprises

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displaying popup information when playback of the audio/video data is paused.

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15. (Original) A method as recited in claim 7, wherein the enhancing comprises

allowing the user to scan through important scenes of the audio/video data, wherein the

important scenes are identified in the programmatic data.

16. (**Original**) A method as recited in claim 7, wherein the enhancing comprises

presenting, to the user, a summary of important scenes of the audio/video data up to a

particular point in the audio/video data.

17. (Original) A method as recited in claim 7, wherein the enhancing comprises

allowing the user to access additional episodic content associated with the audio/video

data.

18. (Previously Presented) A method as recited in claim 7, wherein the

enhancing comprises:

improving the quality of video data of the audio/video data;

creating an HDTV (High Definition TV) version of the video data of the

audio/video data:

converting the video data of the audio/video data to a different aspect ratio;

incorporating popup information into the video data of the audio/video data;

displaying popup information when playback of the audio/video data is paused;

allowing the user to scan through important scenes of the audio/video data,

wherein the important scenes are identified in the programmatic data;

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presenting, to the user, a summary of important scenes of the audio/video data

up to a particular point in the audio/video data; and

allowing the user to access additional episodic content associated with the

audio/video data.

19. (Previously Presented) A method implemented on a device by a processing

unit configured to execute computer-executable instructions that, when executed by the

processing unit, direct the device to perform acts comprising:

receiving audio/video content for playback;

receiving programmatic data associated with the audio/video content, wherein

the programmatic data includes additional data and adds additional details to the

audio/video data; and temporal location identifiers from a stream of the audio/video data

identify associated programmatic data and the programmatic data comprises

information describing an enhancement to the audio/video content to generate an

enhanced audio/video content by adding the programmatic data to the audio/video

content:

receiving a set of instructions to enhance playback of the audio/video content;

executing the set of instructions by the processing unit, wherein executing the set

of that instructions causes the device to process the programmatic data; and generating

the enhanced audio/video content.

20. (Original) A method as recited in claim 19, wherein the audio/video content

and the set of instructions are both received from a same source.

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21. (Original) A method as recited in claim 20, wherein the same source

comprises a DVD.

22. (Original) A method as recited in claim 19, wherein the receiving

programmatic data comprises receiving the programmatic data from a local storage

device.

23. (Original) A method as recited in claim 19, wherein the receiving

programmatic data comprises receiving the programmatic data from a remote device.

24. (Previously Presented) A method as recited in claim 19, wherein the

enhancement comprises improving a quality of video data of the audio/video content.

25. (Previously Presented) A method as recited in claim 19, wherein the

enhancement comprises creating an HDTV (High Definition TV) version of video data of

the audio/video content.

26. (Previously Presented) A method as recited in claim 19, wherein the

enhancement comprises converting video data of the audio/video content to a different

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aspect ratio.

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27. (Previously Presented) A method as recited in claim 19, wherein the

enhancement comprises overlaying popup information on video data of the audio/video

content.

28. (Original) A method as recited in claim 19, wherein the enhancement

comprises displaying popup information when playback of the audio/video content is

paused.

29. (Original) A method as recited in claim 19, wherein the enhancement

comprises allowing the user to scan through important scenes of the audio/video

content, wherein the important scenes are identified in the programmatic data.

30. (Original) A method as recited in claim 19, wherein the enhancement

comprises presenting, to the user, a summary of important scenes of the audio/video

content up to a particular point in the audio/video content.

31. (Original) A method as recited in claim 19, wherein the enhancement

comprises allowing the user to access additional episodic content associated with the

audio/video content.

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32. (Currently Amended) One or more computer readable storage media having

stored thereon a plurality of instructions that, when executed by one or more

processors, causes the one or more processors to:

access audio/video content obtained from a digital versatile disc (DVD);

identify a current portion of the audio/video content being played back;

identify programmatic data that corresponds to the current portion of the

audio/video content being played back, wherein: the programmatic data includes

additional data and adds additional details to the audio/video data and temporal location

identifiers from a stream of the audio/video content identify associated programmatic

data; and

enhance a presentation of the current portion of the audio/video content based at

least in part on the identified programmatic data, wherein executing the plurality of

instructions causes the one or more processors to process the programmatic data to

enhance a presentation of the current portion of the audio/video content.

33. (Currently Amended) One or more computer readable storage media as

recited in claim 32, wherein the programmatic data is also obtained from the DVD.

34. (Currently Amended) One or more computer readable storage media as

recited in claim 32, wherein the one or more computer readable storage media

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comprises the DVD.

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35. (Currently Amended) One or more computer readable storage media as

recited in claim 32, wherein the programmatic data includes a plurality of different

portions and the audio/video content includes a plurality of different portions, and

wherein different portions of the programmatic data correspond to different portions of

the audio/video content.

36. (Currently Amended) A computer readable storage media having stored

thereon a data structure, comprising:

a first portion containing audio data and video data that, when played back,

generates an audio/video content stream;

a second portion containing associated programmatic data, wherein: the

programmatic data includes additional data and adds additional details to the

audio/video data and temporal location identifiers from the audio data and video data

identify the associated programmatic data; and

a third portion containing a plurality of instructions for processing the associated

programmatic data, wherein the plurality of instructions, when executed, cause

processing of the programmatic data, and the programmatic data to process is

determined based on a current location of the audio/video content stream being played

back.

37. (Currently Amended) A computer readable storage media as recited in

claim 36, wherein the associated programmatic data is processed to improve a quality

of the video data.

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38. (Currently Amended) A computer readable storage media as recited in

claim 36, wherein the associated programmatic data is processed to create an HDTV

(High Definition TV) version of the video data.

39. (Currently Amended) A computer readable storage media as recited in

claim 36, wherein the associated programmatic data is processed to convert the video

data to a different aspect ratio.

40. (Currently Amended) A computer readable storage media as recited in

claim 36, wherein the associated programmatic data is processed to incorporate popup

information into the video data.

41. (Currently Amended) A computer readable storage media as recited in

claim 36, wherein the associated programmatic data is processed to display popup

information when playback of the audio data and video data is paused.

42. (Currently Amended) A computer readable storage media as recited in

claim 36, wherein the associated programmatic data is processed to allow the user to

scan through important scenes of the audio data and video data, wherein the important

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scenes are identified in the associated programmatic data.

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43. (Currently Amended) A computer readable storage media as recited in

claim 36, wherein the associated programmatic data is processed to present, to the

user, a summary of important scenes of the audio data and video data up to a particular

point in the audio data and video data.

44. (Currently Amended) A computer readable storage media as recited in

claim 36, wherein the associated programmatic data is processed to allow the user to

access additional episodic content associated with the audio data and video data.

45. (Previously Presented) A method performed by a processing unit of a

playback device configured to execute computer-executable instructions that, when

executed by the processing unit, direct the playback device to perform acts comprising:

obtaining audio/video content to be presented to a user;

obtaining programmatic data associated with the audio/video content; and

responsive to an input from the user, executing a set of instructions by the

processing unit of the playback device in conjunction with playing back the audio/video

data, wherein the instructions are loaded by the playback device when the audio/video

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content is initially accessible to the playback device, wherein:

the set of instructions use the programmatic data to improve a quality of

the video of the audio/video content;

the programmatic data includes additional data and adds additional details

to the audio/video data; and

the programmatic data comprises:

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2D information comprising data for rendering a viewpoint that does

not exist in the audio/video data;

markup data identifying a plot of the audio/video data;

data identifying an enhanced functionality corresponding to different

input and output devices coupled to the playback device;

informational data comprising biographies and filmographies;

data identifying which content is to be displayed for different rating

levels; and

different display format data comprising:

a National Television Standards Committee (NTSC) format or a

Phase Alternating Line (PAL) format;

a widescreen format, a letter box format, or a pan and scan format;

and

a standard definition format or a High Definition Television HDTV

format.

46. (Previously Presented) A method as recited in claim 45, wherein the set of

instructions, the audio/video content, and the programmatic data are all obtained from a

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same DVD.

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47. (Previously Presented) A method implemented on a device by a processing

unit configured to execute computer-executable instructions that, when executed by the

processing unit, direct the device to perform acts comprising:

obtaining audio/video content to be presented to a user;

obtaining programmatic data associated with the audio/video content, wherein

temporal location identifiers from a stream of the audio/video content identify associated

programmatic data; and

executing, by the processing unit, a set of executable instructions that causes

processing of the programmatic data to create an HDTV (High Definition TV) version of

a video of the audio/video content by adding additional detail based on the

programmatic data, wherein the programmatic data includes additional data and adds

additional details to the audio/video data and the programmatic data comprises:

additional information describing regions of the HDTV version absent from

the audio/video content due to an aspect ratio difference between the video of

the audio/video content and the HDTV version; and

data describing a difference between a picture quality of the video of the

audio/video content and an increased picture quality for the HDTV version.

48. (Previously Presented) A method as recited in claim 47, wherein the set of

executable instructions, the audio/video content, and the programmatic data are all

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obtained from a same DVD.

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49. (Previously Presented) A method implemented on a device by a processing

unit configured to execute computer-executable instructions that, when executed by the

processing unit, direct the device to perform acts comprising:

obtaining audio/video content having a first aspect ratio to be presented to a

user;

obtaining programmatic data associated with the audio/video content, wherein

the programmatic data includes additional data and adds additional details to the

audio/video data and temporal location identifiers from a stream of the audio/video

content identify associated programmatic data; and

executing, by the processing unit, a set of instructions that use the programmatic

data to convert the video of the audio/video content from the first aspect ratio to a

second aspect ratio having at least one dimension smaller than the first aspect ratio by

removing at least one of rows of pixels or columns of pixels from the audio/video

content, wherein the programmatic data identifies which rows of pixels or columns of

pixels to remove for each image of a video track of the audio/video content.

50. (Previously Presented) A method as recited in claim 49, wherein the set of

instructions, the audio/video content, and the programmatic data are all obtained from a

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same DVD.

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51. (Previously Presented) A method implemented on a device by a processing

unit configured to execute computer-executable instructions that, when executed by the

processing unit, direct the device to perform acts comprising:

obtaining audio/video content to be presented to a user;

obtaining programmatic data associated with the audio/video content, wherein

the programmatic data includes additional data and adds additional details to the

audio/video data and temporal location identifiers from a stream of the audio/video

content identify associated programmatic data; and

executing, by the processing unit, a set of instructions that use the programmatic

data to incorporate popup information into video content of the audio/video content,

wherein the popup information overlays the audio/video content and comprises

descriptions of items displayed as part of the audio/video content that overlay the video

content and a link that, when selected by the user, allows the user to purchase an item

being displayed as part of the audio/video content.

52. (Canceled)

53. (Previously Presented) A method as recited in claim 51, wherein the popup

information includes images overlaying the video content.

54. (**Previously Presented**) A method as recited in claim 51, wherein the popular

information includes text overlaying the video content.

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55. (Canceled)

56. (Previously Presented) A method as recited in claim 51, wherein the set of

instructions, the audio/video content, and the programmatic data are all obtained from a

same DVD.

57. (Previously Presented) A method performed by a processing unit of a

content player, the processing unit configured to execute computer-executable

instructions that, when executed by the processing unit, direct the content player to

perform acts comprising:

obtaining audio/video content having a unique identifier, the audio/video content

to be presented to a user;

obtaining programmatic data associated with the audio/video content, wherein:

the programmatic data includes additional data and adds additional details to the

audio/video data and temporal location identifiers from a stream of the audio/video

content identify associated programmatic data;

executing, by the processing unit, a set of instructions associated with the unique

identifier, wherein the instructions when executed, cause the programmatic data to

display popup information when playback of the audio/video content is paused; and

storing an association between the unique identifier and the set of instructions in

a memory of the content player.

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58. (Original) A method as recited in claim 57, wherein the popup information

includes images overlaying the video.

59. (Original) A method as recited in claim 57, wherein the popup information

includes text overlaying the video.

60. (Previously Presented) A method as recited in claim 57, wherein the popup

information includes a link that, when selected by the user, allows the user to purchase

an item being displayed as part of the audio/video content.

61. (Previously Presented) A method as recited in claim 57, wherein the set of

instructions, the audio/video content, and the programmatic data are all obtained from a

same DVD.

62. (Previously Presented) A method implemented on a device by a processing

unit configured to execute computer-executable instructions that, when executed by the

processing unit, direct the device to perform acts comprising:

obtaining audio/video content to be presented to a user;

obtaining programmatic data associated with the audio/video content, wherein

temporal location identifiers from a stream of the audio/video content identify associated

programmatic data and the programmatic data includes additional data and adds

additional details to the audio/video data and the programmatic data comprises data

identifying important scenes of the audio/video content that are important to a plot of the

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audio/video content; and

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executing a set of instructions that, when executed, present, to the user, the

important scenes of the audio/video content as identified by the programmatic data,

wherein the device scans through the important scenes in response to a user request.

63. (Canceled)

64. (Previously Presented) A method as recited in claim 62, wherein the

programmatic data further comprises data identifying scenes of the audio/video content

that are important to a sub-plot of the audio/video content, and wherein the device

scans through the scenes of the audio/video content that are important to the sub-plot in

response to the user request.

65. (Previously Presented) A method as recited in claim 62, wherein the device

scans through the important scenes by jumping to a next important scene of a plurality

of important scenes in response to the user request.

66. (Previously Presented) A method as recited in claim 62, wherein the user

request comprises activation of a scan button on an input device by the user.

67. (**Previously Presented**) A method as recited in claim 62, wherein the device

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plays back a plurality of important scenes in response to a single user request.

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68. (Previously Presented) A method as recited in claim 62, wherein the set of

instructions, the audio/video content, and the programmatic data are all obtained from a

same DVD.

69. (Previously Presented) A method implemented on a device by a processing

unit configured to execute computer-executable instructions that, when executed by the

processing unit, direct the device to perform acts comprising:

obtaining audio/video content to be presented to a user;

obtaining programmatic data associated with the audio/video content, wherein

temporal location identifiers from a stream of the audio/video content identify associated

programmatic data and the programmatic data includes additional data and adds

additional details to the audio/video data and the programmatic data comprises data

identifying important scenes of the audio/video content that are important to a plot of the

audio/video content; and

executing a set of instructions that, when executed by the processing unit,

present, to the user, a summary of the important scenes of the audio/video content as

identified by the programmatic data up to a particular point in the audio/video content.

70. (Previously Presented) A method as recited in claim 69, wherein the

particular point in the audio/video content comprises a point at which the user indicates

playback of the audio/video content is to begin.

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71. (**Original**) A method as recited in claim 69, further comprising:

determining a position in the audio/video content where playback of the

audio/video content last stopped; and

using the position as the particular point.

72. (Previously Presented) A method as recited in claim 69, wherein the set of

instructions, the audio/video content, and the programmatic data are all obtained from a

same DVD.

73. (Previously Presented) A method implemented on a device by a processing

unit configured to execute computer-executable instructions that, when executed by the

processing unit, direct the device to perform acts comprising:

obtaining audio/video content to be presented to a user;

obtaining programmatic data associated with the audio/video content, wherein:

the programmatic data includes additional data and adds additional details to the

audio/video data and temporal location identifiers from a stream of the audio/video

content identify associated programmatic data;

executing a set of instructions that, when executed by the processing unit,

present, to the user, additional episodic content associated with the audio/video content,

wherein the programmatic data identifies the additional episodic content; and

charging a fee for access to the additional episodic content.

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74. (Original) A method as recited in claim 73, wherein the additional episodic

content includes additional scenes of the audio/video content.

75. (Original) A method as recited in claim 73, wherein the additional episodic

content comprises an additional audio track associated with the audio/video content.

76. (Canceled)

77. (Previously Presented) A method as recited in claim 73, wherein the set of

instructions, the audio/video content, and the programmatic data are all obtained from a

same DVD.

78. (Previously Presented) A system comprising:

a processor;

a memory coupled to the processor and configured to store a plurality of

modules;

an audio/video playback module configured to receive a stream of audio/video

content for playback; and

a programmatic data control module configured to:

receive programmatic data associated with the audio/video content, the

programmatic data including additional data and adding additional details to the

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audio/video data;

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monitor the stream of the audio/video content for temporal location identifiers to

associate the programmatic data with the audio/video content; and

enhance a playback of the audio/video content by adding the programmatic data

to the audio/video content, wherein the programmatic data and the audio/video content

are part of a same data stream received from a same source.

79. (Currently Amended) A system as recited in claim 78, wherein the [[the]]

adding the programmatic data comprises:

improving the quality of video data of the audio/video content;

creating an HDTV (High Definition TV) version of the video data of the

audio/video content;

converting the video data of the audio/video content to a different aspect ratio;

incorporating popup information into the video data of the audio/video content;

displaying popup information when playback of the audio/video content is

paused;

allowing the user to scan through important scenes of the audio/video content,

wherein the important scenes are identified in the programmatic data;

presenting, to the user, a summary of important scenes of the audio/video

content up to a particular point in the audio/video content; and

allowing the user to access additional episodic content associated with the

audio/video content.

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80. (Previously Presented) A system as recited in claim 78, wherein the

programmatic data control module, the programmatic data, and the audio/video content

are received from a same DVD.

81. (Previously Presented) A method as recited in claim 1, wherein the

programming data includes additional tracks or streams that, when combined with the

audio/video data, improves quality of audio/video data.

82. (Previously Presented) A method as recited in claim 1, wherein the

programming data includes data that allows a user to take over control of an character's

action in the audio/video data without changing a linear story represented by the

audio/video data.

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